**Amendment to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

Claim 1 (previously presented): A method for producing a type III antifreeze protein (AFP) which method comprises expressing in a fungal host cell which is deficient in protein glycosylation, a nucleic acid sequence encoding the AFP

wherein the fungal host cell is a yeast;

the type III AFP has at least 80% homology to SEQ ID NO: 1; and

the fungal host cell is deficient in protein mannosyl transferase 1 (pmt1) and/or protein mannosyl transferase 2 (pmt2).

Claims 2-5 (canceled)

Claim 6 (currently amended): A method according to claim 1 ~~claim 5~~ wherein the yeast is a pmt1-deficient mutant strain.

Claim 7 (currently amended): A method according to claim 1 ~~claim 5~~ wherein the yeast is a pmt2-deficient mutant strain.

Claim 8 (currently amended): A method according to claim 1 ~~claim 5~~ wherein the yeast is *Saccharomyces cerevisiae*.

Claim 9 (previously presented): A method according to claim 1 wherein the type III AFP is type III HPLC-12.

Claims 10-11 (canceled)

Claim 12 (previously presented): A method according to claim 6 wherein the yeast is a pmt2-deficient mutant strain.

Claim 13 (currently amended): A method according to claim 1 ~~claim 5~~ wherein the type III AFP is type III HPLC-12.

Claim 14 (previously presented): A method according to claim 1 wherein the type III AFP has at least 90% homology to SEQ ID NO: 1.

Claim 15 (previously presented): A method according to claim 1 wherein the type III AFP has at least 95% homology to SEQ ID NO: 1.

Claim 16 (previously presented): A method according to claim 1 wherein the type III AFP comprises SEQ ID NO: 1.

Claim 17 (previously presented): A method for producing a type III HPLC-12 antifreeze protein (AFP) and functional equivalents thereof having at least 80% sequence identity with SEQ ID NO: 1 which method comprises expressing in a yeast host cell which is deficient in protein glycosylation, a nucleic acid sequence encoding the AFP, wherein the yeast is a protein mannosyl transferase 1-deficient and/or a protein mannosyl transferase 2-deficient strain.

Claim 18 (previously presented): A method according to claim 14 wherein the yeast is *Saccharomyces cerevisae*.